

## AMENDMENTS TO THE CLAIMS

**Claim 1 (Currently Amended)**      An execution device for executing an application program created in an object-oriented language, the application program including (i) one or more classes, each class having one or more methods, and (ii) confidentiality information that corresponds respectively to each class, that ~~expresses~~ identifies whether or not it is necessary for each corresponding class to be confidential, and that includes information indicating a level of confidentiality of each corresponding class, the execution device comprising:

an encryption judgment unit operable to judge whether or not an encryption of data that is manipulated by a method of the one or more methods is necessary based on whether or not it is necessary for the class, to which the method belongs, to be confidential, such that the encryption judgment unit judges that the encryption of the data that is manipulated by the method is necessary when the class to which the method belongs is identified as being confidential by the confidentiality information ~~the judgment being made based on the confidentiality information~~ that corresponds to the class to which the method belongs, wherein, when the encryption judgment unit judges that the encryption of the data that is manipulated by the method is necessary, the encryption judgment unit determines that an encryption method, which has a security strength that corresponds to the level of confidentiality of the class to which the method belongs, is to be used to encrypt the data, and wherein the level of confidentiality of the class to which the method belongs is indicated by the confidentiality information that corresponds to the class to which the method belongs, and;

an object recording unit operable to, when the method is to be executed, record, in a memory, an object that includes the data that is manipulated by the method ~~manipulates~~; and

~~an encryption method determination unit operable to, based on the confidentiality information that corresponds to the class to which the method belongs, determine an encryption method,~~

wherein, when the encryption judgment unit judges that the encryption of the data is necessary, the object recording unit records the object that includes, as the data that is manipulated by the method, the having included therein data that is encrypted according to the determined encryption method.

**Claim 2 (Cancelled)**

**Claim 3 (Previously Presented)**     The execution device of Claim 1, wherein

when overwriting the data included in the object using other data and when the data included in the object is encrypted, the other data that overwrites the data is recorded as encrypted data.

**Claim 4 (Previously Presented)**     The execution device of Claim 3, wherein

the object recorded in the memory includes information indicating whether or not the data included in the object is encrypted, and

when the information indicates that the data included in the object is encrypted, the data is recorded as encrypted data.

**Claim 5 (Currently Amended)**     The execution device of Claim 1, further comprising a data

judgment unit operable to judge whether or not the data is ~~data that~~ is necessary for specifying an address location of other data, wherein

when the data judgment unit judges that the data is ~~data that~~ is necessary for specifying the address location of other data, the encryption is suppressed.

**Claim 6 (Cancelled)**